

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
18 August 2005 (18.08.2005)

PCT

(10) International Publication Number  
**WO 2005/074694 A1**

- (51) International Patent Classification<sup>7</sup>: **A23C 19/032** (74) Agents: **HOLLIDAY, Louise, Caroline et al.**; D Young & Co, 120 Holborn, London EC1N 2DY (GB).
- (21) International Application Number: **PCT/IB2005/000427** (81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 3 February 2005 (03.02.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
0402474.1 4 February 2004 (04.02.2004) GB  
0403169.6 12 February 2004 (12.02.2004) GB  
60/544,331 17 February 2004 (17.02.2004) US
- (71) Applicant (*for all designated States except US*): **DANISCO A/S** [DK/DK]; Langebrogade 1, P.O. Box 17, DK-1001 Copenhagen K (DK).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **SCHLOTHAUER, Ralf-Christian** [DE/NZ]; 15 Follis Street, Te Aroha (NZ). **RADEMACHER, Inez** [DE/DE]; Eisenbrink 2, 24963 Tarp (DE). **PETERSEN, Hans-Uwe** [DE/DE]; Hauptstrasse 6a, 24855 Bollingstedt (DE). **FAERGEMAND, Merete** [DK/DK]; Kai Hoffmannsvej 9, DK-3450 Allerød (DK). **HINRICHS, Jorg** [DE/DE]; Spitzkrautweg 19, 70599 Stuttgart (DE). **LILLEVANG, Soren, Kristian** [DK/DK]; Kirkevaenget 192, DK-8310 Tranbjerg J (DK).
- (84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— *with international search report*  
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: **CHEESE PRODUCTS**

(57) Abstract: The present invention relates to a composition and a method of preparing cheese products with a suitable moisture level. The cheese products that have been formed using the composition are characterised with an improve at least one of aroma, flavour, mildness, consistency, texture, syneresis, body, mouth feel, firmness, viscosity, gel fracture, wheying off, structure and/or organoleptic properties, nutrition and/or health benefits. In particular, the present invention provides a composition comprising a starter acidification micro-organism and an EPS fermentation culture comprising a viable micro-organism an enzyme produced by said micro-organism and an exopolysaccharide (EPS) produced by the activity of said enzyme.



**WO 2005/074694 A1**